

Short Course on Climate Change Risk and Adaptation in Water Sector

10-11 February, 2008

INTRODUCTION

Climate change is a global problem. Long-term changes in climate have been observed at continental, regional and ocean basin scales. These include changes in temperatures, changes in precipitation, ocean salinity, wind patterns and extreme weather including droughts, heavy precipitation, heat waves and the intensity of tropical cyclones.

The low lying topography, riverine and coastal flooding, tropical cyclones, storm surges, tornadoes, widespread poverty, higher population density, poor institutional development etc. have made Bangladesh more vulnerable to climate change and variability. Climate change is likely to have several important impacts on Bangladesh. The main threats of climate change to Bangladesh are increased flooding, drainage congestion, decrease of fresh water availability, disturbance of morphological processes, salinity intrusion, frequent cyclone and storm surge flooding. The climate change risks in water sector would bring great challenges in water resource management in Bangladesh.

Knowledge on climate change risks could help taking adaptation measures into national policy and planning processes. Adaptation to climate change in water sector can reduce many of the adverse impacts of climate change

and enhance beneficial impacts. Many adaptation strategies designed appropriately in advance, would provide long-term benefits. Activities required for enhancement of adaptive capacity are essentially equivalent to those promoting sustainable development.

The starting point for adaptation to climate change in water sector is to explore the possible range of impacts to which adaptation is required. Climate change adaptation planning would bring changes in water policies, lessen pressure on water resources and improve management of climate change risks in water sector.

OBJECTIVES

- To increase the understanding the risks of climate change and possible impacts of climate change on water sector.
- To increase awareness of climate change modeling and application of climate change modeling.
- To increase awareness of the planners and policy makers in taking adaptive measures.

CONTENTS

Introduction to climate change; Implication of climate change on water resource management; International conventions and country programs; Introduction to climate change modeling; Application of climate change modeling on water resource management; Adaptation measures to climate change risks on water resources management; Socio-economic implications and adaptation of climate change; Planning for climate change risk management in Bangladesh.

WHO SHOULD ATTEND

This short course is for environmentalists, agriculturists, engineers, researchers, academicians, economists, social scientists, planners and policy-makers. At least several years of working experience after completing graduation will be preferred.

RESOURCE PERSONS

Resource persons for the short course have been selected from IWFM of BUET, BCAS, BUP, DOE, and IUCN, Bangladesh.

DURATION

The short course will be offered during 10-11 February, 2008.

VENUE

Directorate of Continuing Education (DCE), BUET, Dhaka located on the third floor of the Institute Building of BUET (near Dr. M. A. Rashid Hall and BUET Gymnasium).

LAST DATE OF APPLICATION

Nominations and applications for participation should reach the Directorate, DCE by 04 February, 2008.

COURSE FEE

Tk. 3,000/- payable in advance for each participant in favour of **Director, BRTC, BUET.**

CONTACT PERSONS

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PROGRAMME

Day 1: February 10, 2007

2:00 – 02:30 : Registration and Inauguration
02:30 – 04:00 : Video Presentation
“**An Inconvenient Truth**” – by Nobel Laureate
Al Gore
04:00 – 04:30 : Tea Break
04:30 – 05:30 : Topic 1: **Introduction to climate change** (Dr. Anisul Haque, Director, IWFM, BUET)
05:30 – 06:00 : Tea Break
06:00 – 07:00 : Topic 2: **Introduction to climate change modeling** (Dr. Nazrul Islam, SMRC and Dr. Akm Saiful Islam, IWFM, BUET)
07:00 – 08:00 : Topic 3: **International conventions and country programs** (Mohammad Riazuddin, Director, DOE)

Day 2: February 11, 2007

9:00 – 10:00 : Topic 4: **Implication of climate change on water resource management** (Prof. Jahir Uddin Chowdhury, IWFM, BUET)
10:00 – 11:00 : Topic 5: **Application of climate change modeling on water resource management** (Mr. Ahmadul Hassan, CEGIS and Prof. Rezaur Rahman, IWFM, BUET)
11:00-11:30 : Tea Break
11:30 – 13:00 : Topic 6: **Adaptation measures to climate change risks on water resources management** (Abu M Kamal Uddin, Climate Change Cell, DOE)
13:00 – 14:00 : Lunch Break
14:00 – 15:00 : Topic 7: **Socio-economic implications and adaptation of climate change** (Dr. Quazi Kholiqzaman Ahmad, President, BUP)
15:00 – 16:00 : Topic 8: **Planning for climate change risk management in Bangladesh** (Prof. Ainun Nishat, IUCN, Bangladesh)
16:00 – 16:30 : Tea Break
16:30 – 17:00 : Certificate Awarding

Short Course

on

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Organized by
Directorate of Continuing Education
BUET, Dhaka-1000



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